

2003
Virginia Department of Transportation
Daily Traffic Volume Estimates
Including Vehicle Classification Estimates
where available

Special Locality Report
132
City of Staunton

Prepared By
Virginia Department of Transportation
Mobility Management Division

In Cooperation With
U.S. Department of Transportation
Federal Highway Administration

Virginia Department of Transportation
Mobility Management Division
Traffic Monitoring Section

The Virginia Department of Transportation (VDOT) conducts a program where traffic count data are gathered from sensors in or along streets and highways and other sources. From these data, estimates of the average number of vehicles that traveled each segment of road are calculated. VDOT periodically publishes booklets listing these estimates.

One of these booklets, titled “Average Daily Traffic Volumes with Vehicle Classification Data, on Interstate, Arterial and Primary Routes” includes a list of each Interstate and Primary highway segment with the estimated Annual Average Daily Traffic (AADT) for that segment. AADT is the total annual traffic estimate divided by the number of days in the year. This booklet also includes information such as estimates of the percentage of the AADT made up by 6 different vehicle types, ranging from cars to double trailer trucks; estimated Annual Average Weekday Traffic (AAWDT), which is the number of vehicles estimated to have traveled the segment of highway during a 24 hour weekday averaged over the year; as well as Peak Hour and Peak Direction factors used by planners to formulate design criteria.

In addition to the Primary and Interstate publication, one hundred books are published periodically, one for each of 100 areas across the state defined by VDOT for record-keeping purposes. These books include traffic volume estimates for roads within the county, cities, and towns within the area. These books are titled “Daily Traffic Volumes Including Vehicle Classification Estimates, where available; Jurisdiction Report numbers 00 through 99”.

Also available are a number of reports summarizing the average Vehicle Miles Traveled (VMT) in selected jurisdictions and other categories of highways. There are many different ways to present traffic volume summary information. Because the user determines the value of each presentation, the reports have been redesigned based on user requests and feedback. The people at VDOT Mobility Management’s Traffic Monitoring Section who produce these books welcome requests for other helpful ways of presenting the summary information.

A compact disc (CD) is available that includes files in the Adobe® Portable Document Format (PDF) that can be displayed, searched, and printed using common desktop computer equipment. The CD includes the publications described above as well as a number of other reports, including specialized VMT summaries and smaller AADT reports for each city and town separately.

Publication Notes

Parallel Roads

For road inventory and management purposes, some roadways are counted separately by direction and have separately published traffic estimates for each direction of travel. Examples of such roadways are the interstate system and routes with separated facilities and (usually) one-way traffic facilities in urban areas. In these publications, they are referred to as parallel roads. As a convenience for the users of the publication, the listing for segments of roads with parallel segments are published with both the traffic estimates for their own direction of travel (e.g. I-95 Northbound) as well as the estimate of the total of all traffic on the same route including parallel roadways (all directions of I-95). The publication will have a “Combined Traffic Estimates for Parallel Roadways on this Route” or “Combined Traffic” identifiers for the combined direction of travel estimates.

Roadways such as I-395 with a North segment, a South segment and a separate Reversible lane segment will have the estimate for more than two parallel roadways included in the entire combined traffic estimate.

Some routes have very complicated paths through cities and towns. These parallel paths may be too complex to allow a relationship between nearby sections of the opposite direction on the same route. In this case, to indicate that the traffic estimates for such a road segment may not include all directions of traffic on that route, the line that would list the combined values will indicate “NA” for not available.

VDOT’s traffic monitoring program includes more than 100,000 segments of roads and highways ranging from several mile sections of Interstate highways to very short sections of city streets. Due to problems experienced obtaining some traffic count data, and the level of quality necessary to maintain confidence in the data, no estimate is currently available for some segments of roadway. These segments are included in the publications indicating “NA” for not available. It is the intention of the VDOT’s Mobility Management Traffic Monitoring group to obtain the data necessary and to report traffic volume estimates on all road segments included in these publications.

Many of the road segments in this program are local secondary roads. The amount and detail of data collected on these roads are not as great as the data collected on higher volume roads. The vehicle classification, average weekday traffic volumes, and the theoretical design hour traffic volumes are not calculated for these roads. The publications indicate “NA” for the information that is not available.

This publication is based on a traffic monitoring program initiated in 1997. Because the data collection techniques and statistical evaluation processes are different than those used in previous years, comparison with previous publications may be misleading.

Glossary of Terms:

Route: The Route Number assigned to this segment of roadway with the master inventory route number if this is an overlapping route, with official street or highway name if available.

Length: Length of the traffic segment in miles.

AADT: Annual Average Daily Traffic. The estimate of typical daily traffic on a road segment for all days of the week, Sunday through Saturday, over the period of one year.

QA: Quality of AADT:

- A Average of Complete Continuous Count Data
- B Average of Selected Continuous Count Data
- F Factored Short Term Traffic Count Data
- G Factored Short Term Traffic Count Data with Growth Element
- H Historical Estimate
- M Manual Uncounted Estimate
- N AADT of Similar Neighboring Traffic Link
- O Provided By External Source
- R Raw Traffic Count, Unfactored

4Tire: Percentage of the traffic volume made up of motorcycles, passenger cars, vans and pickup trucks.

Bus: Percentage of the traffic volume made up of busses.

2Axle Truck: Percentage of the traffic volume made up of 2 axle single unit trucks (not including pickups and vans).

3+Axle Truck: Percentage of the traffic volume made up of single unit trucks with three or more axles.

1Trail Truck: Percentage of the traffic volume made up of units with a single trailer.

2Trail Truck: Percentage of the traffic volume made up of units with more than one trailer.

QC: Quality of Classification Data:

- A Average of Complete Continuous Count Data
- B Average of Selected Continuous Count Data
- C Short Term Classified Traffic Count Data
- F Factored Short Term Traffic Count Data
- H Historical Estimate
- M Mass Collective Average
- N Classification Estimates of Similar Neighboring Traffic Link

K Factor: The estimate of the portion of the traffic volume traveling during the peak hour or design hour.

QK: Quality of the Peak Hour estimate:

- A Factor based on 30th Highest Hour Observed During at least 250 days of Continuous Traffic Data
- B Factor based on other Hour Observed During Less than 250 days of Continuous Traffic Data
- F Factor based on Highest Hour Collected at in a 48 Hour Weekday Period
- M Factor based on Manual Estimate of design hour
- N Peak Hour Factor of Similar Neighboring Traffic Link
- O Provided by External Source

Dir Factor: The estimate of the portion of the traffic volume traveling in the peak direction during the peak hour..

AAWDT: Average Annual Weekday Traffic. The estimate of typical traffic over the period of one year for the days between Monday through Thursday inclusive.

QW: Quality of AAWDT:

- A Average of Complete Continuous Count Data
- B Average of Selected Continuous Count Data
- F Factored Short Term Traffic Count Data
- G Factored Short Term Traffic Count Data with Growth Element
- M Manual Uncounted Estimate
- N AAWDT of Similar Neighboring Traffic Link
- O Provided by External Source

Year: Year for which the published values are appropriate. If the Quality of AADT (QA) is "R", the year is the year that the raw traffic count was collected, and if available,

Route Shield Legend

Route Systems

North 	Interstate Route	Traffic volume data for Interstate Routes and some other routes are reported separately by direction, as well as combined.
	US Route	
	Virginia State Route	
	Secondary Route	

Special Routes

Bus 	Bus - Business Route
	Bypas - Bypass Route
	Truck - Truck Route
ALT 	ALT - Alternate Route
	Wve - Wye Route connector
	P - Parallel Route; Southbound or Westbound direction lanes of a numbered route where they are on a different road facility than the other direction.
	The VDOT Maintenance Jurisdiction number is displayed below the Secondary Route Number if the Maintenance Jurisdiction is different than the jurisdiction in the title of the report.

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City of Staunton

Route		Length	AADT	QA	4Tire	Bus	-----Truck-----				QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
							2Axle	3+Axle	1Trail	2Trail							
City of Staunton																	
11	Greenville Ave	0.68	19000	G	From:	SCL Staunton					F	0.084	F	0.519	20000	G	2003
					To:												
11	Greenville Ave	0.50	17000	G	From:	SR 261 Statler Blvd					C	0.085	F	0.579	18000	G	2003
					To:												
11	Greenville Ave	0.32	13000	G	From:	Hampton St					F	0.087	F	0.545	14000	G	2003
					To:												
11	Greenville Ave	0.07	20000	G	From:	US 250 Richmond Rd					F	0.085	F	0.519	21000	G	2003
					To:												
11	Commerce Rd	0.68	3200	G	From:	US 250, SR 254					C	0.1	F	0.558	3400	G	2003
					To:												
11	Commerce Rd	0.15	3500	G	From:	SR 254					F	0.094	F	0.558	3700	G	2003
					To:												
11	Commerce Rd	1.25	6900	G	From:	SR 261					F	0.093	F	0.524	7300	G	2003
					To:												
11	Commerce Rd	0.67	6100	G	From:	Bells Lane					C	0.094	F	0.586	6500	G	2003
					To:												
11	Commerce Rd	0.49	15000	G	From:	US 11 BUS					C	NA		15000	G	2003	
					To:												
11	Commerce Rd	0.88	16000	G	From:	SR 275					F	0.093	F	0.542	17000	G	2003
					To:	NCL Staunton											
Bus 11	250 Johnson St	0.18	13000	G	From:	US 11, SR 254 NEW ST					F	0.078	F	0.564	14000	G	2003
					To:	Augusta St											
Bus 11	250 New St	0.14	2500	G	From:	Johnson St					F	0.092	F		2700	G	2003
					Combined Traffic:												
Bus 11	250 New St	0.36	930	G	From:	Frederick St					C	0.108	F		990	G	2003
					Combined Traffic:												
Bus 11	Augusta St	0.41	8600	G	From:	Churchville Ave					F	0.091	F	0.500	9100	G	2003
					To:												
Bus 11	Augusta St	0.28	10000	G	From:	Edgewood Rd					F	0.084	F	0.51	11000	G	2003
					To:												
Bus 11	Augusta St	1.14	8900	G	From:	Lambert St					C	0.090	F	0.576	9500	G	2003
					To:												
Bus 11	Augusta St	0.71	8400	G	From:	Coalter St					F	0.099	F	0.503	8900	G	2003
					To:												
250	Churchville Ave	1.23	11000	G	From:	WCL Staunton					C	0.089	F	0.554	11000	G	2003
					To:												
250	Churchville Ave	0.99	12000	G	From:	Grubert Ave					F	0.088	F	0.605	13000	G	2003
					To:												
250	Churchville Ave	0.32	11000	G	From:	Thomrose Ave					C	0.090	F	0.619	12000	G	2003
					To:												
250	Augusta St	0.45	3400	G	From:	Augusta St					C	0.095	F	0.797	3600	G	2003
					Combined Traffic:												
250	Augusta St				To:	Beverly St											

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							2Axle	3+Axle	1Trail	2Trail								
City of Staunton																		
250	Augusta St	0.13	6700	G	From:	Beverly St					F	0.079	F	0.586	7100	G	2003	
	Combined Traffic:		9200	G	To:						F	NA			9800	G		
					97%	0%	1%	1%	0%	0%								
250	Johnson St	0.18	13000	G	From:	Johnson St					F	0.078	F	0.564	14000	G	2003	
					To:	Augusta St												
					97%	0%	1%	1%	0%	0%								
250	11	Greenville Ave	0.07	20000	G	From:	US 11, SR 254 New St					F	0.085	F	0.519	21000	G	2003
					To:													
				96%	1%	2%	1%	1%	0%									
250	Richmond Rd	0.75	12000	G	From:	US 11 GREENVILLE AVE					F	0.083	F	0.529	13000	G	2003	
					To:													
				96%	0%	2%	1%	1%	0%									
250	Richmond Rd	0.96	22000	G	From:	Statler Blvd					F	0.083	F	0.518	24000	G	2003	
					To:													
				96%	0%	2%	1%	1%	0%									
250	Richmond Rd	0.44	28000	G	From:	Frontier Rd					C	0.084	F	0.513	30000	G	2003	
					To:	ECL Staunton												
					96%	0%	2%	1%	1%	0%								
250	New St	0.36	930	G	From:	Churchville Ave					C	0.108	F		990	G	2003	
	Combined Traffic:		4300	G	To:						C	NA			4600	G		
					98%	0%	1%	1%	0%	0%								
250	New St	0.14	2500	G	From:	Frederick St					F	0.092	F		2700	G	2003	
	Combined Traffic:		9200	G	To:						F	NA			9800	G		
					98%	0%	1%	1%	0%	0%								
252	Middlebrook Rd	1.08	3900	G	From:	SCL Staunton					C	0.111	F	0.527	4200	G	2003	
					To:													
					95%	0%	3%	1%	1%	0%								
252	Middlebrook Ave	0.60	4100	G	From:	Bridge St					F	0.097	F	0.576	4400	G	2003	
					To:													
					95%	0%	3%	1%	1%	0%								
252	254	Beverly St	0.11	3900	G	From:	Lewis Street					F	0.096	F		4200	G	2003
					To:	LEWIS ST					F	NA			12000	G		
					97%	0%	1%	2%	0%	0%								
254	Beverly St	0.82	9100	G	From:	US 250					C	NA			9400	G	2003	
					To:	WCL Staunton												
					97%	0%	1%	2%	0%	0%								
254	Beverly St	0.69	13000	G	From:	Grubert St					F	0.081	F	0.615	14000	G	2003	
					To:													
					97%	0%	1%	2%	0%	0%								
254	Beverly St	0.25	9000	G	From:	Thornrose Ave					F	0.084	F	0.580	9500	G	2003	
					To:													
					97%	0%	1%	2%	0%	0%								
254	Beverly St	0.25	4200	G	From:	Jefferson St					F	0.085	F		4500	G	2003	
					To:													
					97%	0%	1%	2%	0%	0%								
254	Beverly St	0.23	2000	G	From:	SR 254 P					F	0.085	F		2200	G	2003	
	Combined Traffic:		4900	G	To:						F	NA			5200	G		
					97%	0%	1%	2%	0%	0%								
254	Beverly St	0.11	3900	G	From:	Lewis St					F	0.096	F		4200	G	2003	
	Combined Traffic:		11000	G	To:						F	NA			12000	G		
					97%	0%	1%	2%	0%	0%								
254	Beverly St	0.06	3900	N	From:	US 250					N	0.096	N		4200	N	2003	
	Combined Traffic:		8600	N	To:						N	NA			9100	N		
					97%	0%	1%	2%	0%	0%								
254	Beverly St	0.16	2000	G	From:	New St					F	0.103	F		2100	G	2003	
	Combined Traffic:		6600	G	To:						F	NA			7100	G		
					97%	0%	1%	2%	0%	0%								
254	Coalter St	0.16	5500	G	From:	Coalter St					F	0.098	F	0.594	5800	G	2003	
					To:	SR 254 P, Frederick St												
					97%	0%	1%	2%	0%	0%								
					From:	US 11 US 250 Commerce St												
					To:													
					97%	0%	1%	2%	0%	0%								

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Route		Length	AADT	QA	4Tire	Bus	Truck-----				QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
							2Axle	3+Axle	1Trail	2Trail							
City of Staunton																	
254	11	Commerce Rd	0.68	3200	G	From:	US 11 US 250 Commerce St				C	0.1	F	0.558	3400	G	2003
						To:	US 11 Commerce Rd										
254		New Hope Rd	2.45	1200	G	From:	US 11 Commerce Rd				C	0.117	F	0.705	1200	G	2003
						To:	ECL Staunton										
254		Frederick St	0.35	2800	G	From:	Jefferson St				C	0.101	F		3000	G	2003
						To:	Combined Traffic:										
254		Frederick St	0.11	7100	G	From:	Central St				F	0.085	F		7500	G	2003
						To:	Combined Traffic:										
254		Frederick St	0.24	4600	G	From:	US 250 P, New St				F	0.085	F		4900	G	2003
						To:	Combined Traffic:										
261		Statler Blvd	0.84	9800	G	From:	Old Greenville Rd				C	0.094	F	0.569	10000	G	2003
						To:	Richmond Rd										
261		Statler Blvd	0.78	14000	G	From:	New Hope Rd				C	0.099	F	0.507	15000	G	2003
						To:	Commerce Rd										
261		Statler Blvd	0.14	15000	G	From:	Beverly St				F	0.09	F	0.525	16000	G	2003
						To:	Coalter St										
261		Statler Blvd	0.25	12000	G	From:	US 250				C	0.098	F	0.684	9600	G	2003
						To:	07-613 Spring Hill Rd										
275		Woodrow Wilson Pkwy	1.74	11000	G	From:	US 11 Commerce Rd				C	0.099	F	0.697	12000	G	2003
						To:	ECL Staunton										
1		EnglwoodD Dr	0.34	3500	G	From:	Churchville Ave				C	0.108	F	0.529	3700	G	2003
						To:	Schutterlee Mill Rd										
4900		Hampton St	0.28	11000	G	From:	Middlebrook Ave				F	0.092	F	0.535	11000	G	2003
						To:	Greenville Ave										
4901		Barterbrook Rd	0.17	3300	G	From:	SCL Staunton				C	0.096	F	0.58	3500	G	2003
						To:	WCL Staunton										
4902		Buttermilk Spring Rd	1.00	730	G	From:	Pierce St				C	0.139	F	0.5	780	G	2003
						To:	SR 254										
4903		Coalter St	0.54	4800	G	From:	Frederick St				F	0.088	F	0.525	5100	G	2003
						To:	Edgewood Rd										
4903		Coalter St	1.31	5600	G	From:	Augusta St				C	0.099	F	0.524	5900	G	2003
						To:											

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						2Axle	3+Axle	1Trail	2Trail							
City of Staunton																
(4905) Lewis St	0.48	5200	G	From:	Beverly St				C	0.091	F	0.642	5500	G	2003	
				To:	Churchville Ave											
(4909) Bridge St	0.19	9100	G	From:	Middlebrook Ave				C	0.094	F	0.583	9600	G	2003	
				To:	Stuart St											
(4909) Green St	0.27	NA		From:	Bridge St				NA			NA				
				To:	SR 254; 1SR 254-P Gap Terminus											
(4913) N Central St	0.38	3800	G	From:	Beverly St				C	0.084	F	0.558	4000	G	2003	
				To:	Churchville Ave											
(4915) Thornrose Ave	0.31	1900	G	From:	Beverly St				C	0.101	F	0.551	2000	G	2003	
				To:	Circle Ave											
(4915) Thornrose Ave	0.42	4900	G	From:	1%				F	0.088	F	0.537	5200	G	2003	
				To:	Churchville Ave											
(4919) Grubert Ave	0.99	6500	G	From:	Beverly St				C	0.089	F	0.503	7000	G	2003	
				To:	Churchville Ave											
(4921) Morris Mill Rd	0.88	3100	G	From:	WCL Staunton				C	0.099	F	0.576	3300	G	2003	
				To:	Beverly St											
(4925) Lambert St	0.44	7600	G	From:	Augusta St				C	0.09	F	0.615	8100	G	2003	
				To:	Donaghe St											
(4927) Spring Hill Rd	0.76	3600	G	From:	Churchville Ave				F	0.103	F	0.51	3900	G	2003	
				To:	Donaghe St											
(4927) Springhill Rd	1.45	3000	G	From:	3%				C	0.099	F	0.607	3200	G	2003	
				To:	NCL Staunton											
(4929) Mt View Dr	0.39	510	G	From:	Commerce Rd				C	0.106	F	0.685	540	G	2003	
				To:	Coalter St											
(4931) Schutterlee Mill Rd	0.95	2400	G	From:	Englewood Dr				C	0.095	F	0.552	2600	G	2003	
				To:	NCL Staunton											
(4932) Pierce St	0.20	1300	G	From:	Straith St				C	0.105	F	0.686	1300	G	2003	
				To:	Hays Ave											
(4933) Peck St	0.17	7000	G	From:	Montgomery Ave				F	0.094	F	0.512	7400	G	2003	
				To:	Austin Ave											
(4933) Chrysler St/Hays Ave	0.36	NA		From:					NA			NA				
				To:	SR 254											
(4935) Stuart St	0.57	6700	G	From:	Montgomery Ave				F	0.096	F	0.607	7100	G	2003	
				To:	Bridge St											
(4937) Johnson St	0.23	2600	G	From:	Jefferson St				C	0.09	F	0.594	2800	G	2003	
				To:	Lewis St											
(4937) Johnson St	0.11	11000	G	From:	1%				F	0.082	F	0.617	12000	G	2003	
				To:	Augusta St											
(4938) Prospect St	0.53	1400	G	From:	Augusta St				C	0.096	F	0.521	1500	G	2003	
				To:	N Coalter St											

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						2Axle	3+Axle	1Trail	2Trail							
City of Staunton																
(4940) Donaghe St	0.37	5400	G	From:	Churchville Ave				F	0.099	F	0.595	5800	G	2003	
				To:	Lambert St											
(4940) Donaghe St	0.47	3900	G	From:	Spring Hill Rd				C	0.094	F	0.63	4100	G	2003	
				To:												
(4942) Old Greenville Ave	0.47	1300	G	From:	SCL Staunton				F	0.111	F	0.537	1400	G	2003	
				To:	Greenville Ave											
(4944) Frontier Dr	1.00	7500	G	From:	SCL Staunton				C	0.093	F	0.543	8000	G	2003	
				To:	Richmond Rd											
Archer St		1300	G	From:	Tuxedo St					0.108	F		1400	G	2003	
				To:	Devon Rd											
Berry St		100	G	From:	Gypsy Ave					0.113	F	0.818	100	G	2003	
				To:	Parkview Ave											
Blue Ridge Dr		360	G	From:	East Beverly St					0.113	F		380	G	2003	
				To:	1st Lammermoor Dr Intersection											
College Circle		1700	G	From:	US 11 Augusta St					0.131	F	0.795	1800	G	2003	
				To:	Oak Ln											
Frasier Ln		170	G	From:	Sproul Ln					0.125	F	0.5	180	G	2003	
				To:	College Circle											
Peyton St		550	G	From:	West Beverly St					0.093	F	0.634	580	G	2003	
				To:	Second St											
Rockway St		80	G	From:	Lambert St					0.157	F	0.6	80	G	2003	
				To:	Donaghe St											
Spruce Street		880	G	From:	Lyle Avenue					0.114	F	0.512	880	G	2003	
				To:	Spring Hill Rd											